



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12N 5/16, 9/12, 15/12, 15/54, 15/62, 15/63, C07K 2/00, 14/47, 16/40, 16/18	A1	(11) International Publication Number: WO 98/11204 (43) International Publication Date: 19 March 1998 (19.03.98)
(21) International Application Number: PCT/US96/14679 (22) International Filing Date: 13 September 1996 (13.09.96) (71) Applicant: GERON CORPORATION [US/US]; 200 Constitution Drive, Menlo Park, CA 94025 (US). (72) Inventors: VILLEPONTEAU, Bryant; 1371 Greenbriar Road, San Carlos, CA 94070 (US). FENG, Junli; 1371 Greenbriar Road, San Carlos, CA 94070 (US). ANDREWS, William, H.; 6102 Park Avenue, Richmond, CA 94805 (US). ADAMS, Robert, R.; 419 Hillway Drive, Redwood City, CA 94062 (US). (74) Agent: KASTER, Kevin, R.; Geron Corporation, 200 Constitution Drive, Menlo Park, CA 94025 (US).		(81) Designated States: AU, CA, JP, MX, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: METHODS AND REAGENTS FOR REGULATING TELOMERE LENGTH AND TELOMERASE ACTIVITY (57) Abstract Purified and recombinant proteins TPC2 and TPC3 and recombinant or synthetic oligonucleotides corresponding to those proteins or fragments thereof can be used to detect regulators of telomere length and telomerase activity in mammalian cells and for a variety of related diagnostic and therapeutic purposes.		